

Message Text

UNCLASSIFIED

PAGE 01 STATE 087553
ORIGIN NRC-07

INFO OCT-01 EUR-12 ISO-00 ACDA-12 CIAE-00 INR-10 IO-14
L-03 NSAE-00 NSC-05 EB-08 OES-07 SOE-02 DODE-00
DOE-15 SS-15 SP-02 CEQ-01 EA-12 /126 R

DRAFTED BY USNRC:HFAULKNER
APPROVED BY OES/NET/IM:D O HOYLE
EUR/CE: N LAUDERDALE
ACDA: R WILLIAMSON
OES/N-T/EIC: R DELABARRE
EA/J: D BROWN (INFO)
EUR/RPE: K STOCKER
DOE/IA: M MCDONOUGH

-----003464 052340Z /61

P 052046Z APR 78
FM SECSTATE WASHDC
TO AMEMBASSY BONN PRIORITY

UNCLAS STATE 087553

E.O. 11652:N/A

TAGS: TECH, GW

SUBJECT:NRC NEGOTIATIONS WITH BMFT ON RESEARCH COOPERATION

1. SUMMARY: NRC SCHEDULED TO MEET WITH BMFT AND GRS
REGARDING JOINT RESEARCH COOPERATION DURING PERIOD APRIL 10
THRU 12. EXPLANATION OF PROPOSED COOPERATION AND BACKGROUND
OF NEGOTIATIONS FOLLOW. END SUMMARY.

2. MEETING BETWEEN H. SEIPEL, BMFT, AND A. H. SPANO AND
J. A. COOKE, NRC IN BONN DURING PERIOD OF APRIL 10-12, 1978,
INVOLVES DISCUSSIONS ON TEXT OF PROPOSED TRILATERAL DRAFT
ARRANGEMENT BETWEEN BMFT, JAPAN ATOMIC ENERGY RESEARCH
INSTITUTE (JAERI) AND NRC FOR RESEARCH PARTICIPATION AND
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 087553

TECHNICAL EXCHANGE IN A COORDINATED ANALYTICAL AND EXPERI-
MENTAL STUDY OF THE THREE-DIMENSIONAL, THERMOHYDRAULIC
BEHAVIOR OF EMERGENCY CORE COOLANT DURING THE REFLOOD PHASE
OF A LOSS-OF-COOLANT ACCIDENT (LOCA) IN A PRESSURIZED WATER
REACTOR (PWR).

3. THE PROPOSED COOPERATIVE ARRANGEMENT CALLS FOR THE

FOLLOWING RESPONSIBILITIES FOR EACH OF THE PARTIES: (1) BMFT WILL CONDUCT REFLOOD EXPERIMENTS TO OBTAIN DATA ON DE-ENTRAINMENT OF WATER FROM STEAM IN A TEST FACILITY SIMULATING A FULL-HEIGHT, 180 DEGREE SECTOR OF A PWR

UPPER PLENUM, WITH AND WITHOUT HOT LEG INJECTION, AND WITH CONFIGURATIONS REPRESENTATIVE OF FRG, U.S., AND JAPANESE REACTORS. FRG WILL ALLOW U.S. AND JAPANESE PARTICIPATION IN THE DESIGN, CONDUCT AND ANALYSIS OF THE EXPERIMENTS, INCLUDING THE ASSIGNMENT OF PERSONNEL TO THE PROJECT. (2) JAERI WILL CONDUCT LARGE-SCALE REFLOOD EXPERIMENTS USING FULL-LENGTH, ELECTRICAL HEATER ROD CORES IN BOTH CYLINDRICAL AND SLAB CORE GEOMETRIES, AND WITH UPPER CORE SUPPORT PLATES REPRESENTATIVE OF FRG, U.S., AND JAPANESE DESIGNS. THE U.S. AND FRG WILL HAVE ACCESS TO ALL EXPERIMENTAL INFORMATION DEVELOPED IN THE JAERI PROJECT, AND BE PERMITTED TO ASSIGN PERSONNEL FOR PARTICIPATION IN THE CONDUCT AND ANALYSIS OF THE EXPERIMENTS. (3) NRC WILL PROVIDE PRETEST AND POST-TEST ANALYSES OF THE FRG AND JAERI EXPERIMENTS USING THE NRC DEVELOPED ADVANCED SYSTEMS CODES. NRC WILL ALSO ARRANGE FOR THE LOAN OF ADVANCED INSTRUMENTATION TO THE GERMAN AND JAPANESE 3-D REFLOOD RESEARCH PROGRAMS. NRC WILL PERMIT BMFT AND JAERI PARTICIPATION IN NRC 3-D RELATED ANALYTICAL AND INSTRUMENTATION DEVELOPMENT WORK.

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 087553

4. NEGOTIATIONS ON THE PROPOSED AGREEMENT HAVE BEEN UNDERWAY SINCE EARLY 1977. IT IS EXPECTED THAT THE TRILATERAL ARRANGEMENT WILL BE EXECUTED IN MAY-JUNE 1978.
VANCE

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: RESEARCH, NEGOTIATIONS, INTERGOVERNMENTAL COOPERATION
Control Number: n/a
Copy: SINGLE
Draft Date: 05 apr 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978STATE087553
Document Source: CORE
Document Unique ID: 00
Drafter: HFAULKNER
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D780147-0851
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780489/aaaacxla.tel
Line Count: 98
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 37f5edb5-c288-dd11-92da-001cc4696bcc
Office: ORIGIN NRC
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 21 mar 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3063028
Secure: OPEN
Status: NATIVE
Subject: NRC NEGOTIATIONS WITH BMFT ON RESEARCH COOPERATION
TAGS: TECH, GE, US
To: BONN
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/37f5edb5-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014